



**Manfrotto**

# PROFESSIONAL VIDEO SUPPORTS

2004/05





# SMOOTH, SHARP VIDEO AS YOU FOLLOW THE ACTION!

To achieve maximum image sharpness, the camera must be mounted on a sturdy, “vibration free” tripod equipped with a fluid head able to offer smooth pan and tilt movements. This will eliminate unstable camera motion that could mar the recorded image.














This unwritten rule works for all professional, prosumer and consumer applications.

Manfrotto’s video heads & tripods are supported by a varied list of accessories from monopods, dollies and mid-level spreaders to bags, retractable all-terrain spikes and suction feet --- all to make your life easier, no matter what and where you’re filming. Manfrotto video supports --- Speed & precision as the ultimate challenge!

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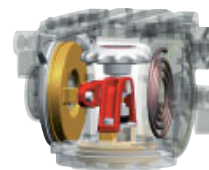
## KEY TO SYMBOLS

												
Closed Length	Minimum Height	Maximum Height	Maximum Height with Extended Center Column	Footprint Diameter	Weight	Maximum Load Capacity	Head Height	Plate Supplied with the Head	Bowl	Suggested Mid-Level Spreader	Suggested Spreader	Suggested Dolly

## WHY A FLUID HEAD?

Manfrotto's "pan & tilt movement" technology used for its complete range of semi-professional and professional video heads is based on a system of cartridges filled with a specific "silicon fluid".

This technology provides the smooth, constant movement needed to achieve "shake free" images while panning and tilting during all types of video shooting sessions.



## WHAT DO WE MEAN BY LOAD CAPACITY?

This is a technical specification that has sometimes been confused with the counterbalance load capacity of our heads.

The value we claim as the "load capacity" refers to the capability of the head locking brakes to hold the weight of the camera at any tilt or pan angles needed to lock the camcorder in position.

## WHAT DO WE MEAN BY COUNTERBALANCE?

Counterbalance is achieved using a system of springs inside the head which helps to keep the camera from rolling forwards or backwards under its own weight when the video head is tilted. This system allows the cameraman to achieve smoother tilt movements.

Manfrotto video heads are supplied with fixed or variable counterbalance springs depending on the model. When fixed, the spring is set to a specific counterbalance weight while when variable, the spring can be adjusted in order to operate from a minimum to a maximum value.



## MANFROTTO DRAG SYSTEM

Manfrotto drag technology provides accurate camera control in all conditions.

Depending on the model of the head, it is possible to choose between fixed and continuous adjustment.

The fixed drag provides a constant friction action. The continuous drag adjustment allows you to select the level of drag you need and to work the way you choose, rather than having to select from predetermined levels as with stepped drag systems.

This solution enables you to set-up rapidly and repeatedly, helping you achieve perfect framing and control.

## MANFROTTO INTERCHANGEABLE SLIDING PLATES

All Manfrotto heads are equipped with sliding and interchangeable camera plates.

The possibility to adjust the camera plate by sliding it allows you to balance the camera on the head and reduce to a minimum the effort required to tilt it forward and backward. Plate sliding movement ensures that the camera load will be accurately balanced on the head.

The interchangeable mechanism lets you replace the camera with another one very quickly or, after removing it from the head, to hold it in your hands, mount it on a monopod, a crane or a shoulder mount system by using the universal quick release mount adapter.

## VIDEO HEADS

The following chart gives suggestions on how to combine our heads with your camcorder depending on the type/format of camcorder you use.

Digital camcorder models								
Format	Micro DV Mini DV DVD	Mini DV	DV DV cam DVC Pro DIGI Beta Betacam SP Betacam SX					
Number and Size of CCD	One 1/4"	Three 1/3"	Three 1/2" or 2/3"					
Camcorder Weight	From 2.2 to 6.6 lb.	From 4.4 to 17.6 lb.	From 8.8 to 23.1 lb.	Heads specifications				
End User	Prosumer	Professional	Professional ENG	Load Capacity in lb.	Counter Balance in lb.	Tilt Range	Type of Drag	Head to Tripod Attachment
Head models	700RC2	x		4.4		+90° -75°	Fixed	3/8" female thread
	701RC2	x		8.8	Fixed 3.3	+90° -60°	Fixed	3/8" female thread
	3433 (501)	x		13.2		+90° -60°	Fixed plus variable Teflon friction	3/8" female thread
	3460 (503)	x		17.6	Fixed 5.5	+90° -60°	Continuous variable	3/8" female thread
	519	x	x	22	Variable interchangeable from 2.2 to 19.8	+90° -90°	Continuous variable	75 mm half bowl
	516		x	22	Fixed 16.5	+90° -60°	Continuous variable	3/8" female thread
	316		x	35.3	Variable from 14.3 to 35.3	+70° -70°	Fixed	100 mm half bowl





Video heads



MINI VIDEO HEAD 700RC2

-   
3.8in
-   
1.1lb
-   
5.5lb
-   
3157N

A compact and lightweight two-movement video head designed to support the latest digital video equipment but also suited to still photographic cameras with medium and long tele lenses. The 700RC2 has a fixed length pan bar with padded handle and separate locking mechanisms for the 360° pan and the +90°/-75° tilt. Smooth and constant movements on both axes are assured by a fixed system of fluid cartridges. Equipped with the 3157N quick release video plate system with VHS PIN and a secondary safety catch. Head to tripod attachment is 3/8" female.

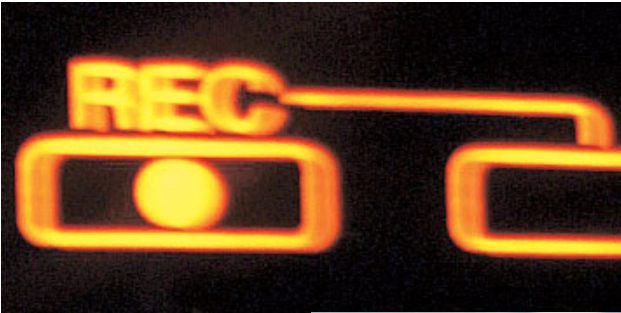
FEATURES



- 1 Tilt Locking Knob
- 2 Pan Locking Knob



- 3 Plate Safety Release Knob
- 4 Quick Release Plate



TECHNICAL SPECIFICATIONS

Tilt	+90° -75°
Tilt Drag	1 fixed
Independent Tilt Lock	Yes
Pan	360°
Pan Drag	1 fixed
Independent Pan Lock	Yes
Flat Base	3/8" female thread to mount on flat top tripod
Pan Handle	1
Quick Release Plate	Supplied with: 1/4-20" camera screws
Temperature Range	14°F 140°F



## MINI VIDEO HEAD 701RC2



Small and lightweight, this fluid video head is capable of accommodating a payload of up to 8.8 lb, and is ideal for set-ups such as a fully equipped 3 CCD mini DV camcorder or a spotting scope combined with a digital still or video camera for digiscoping purposes. The 701RC2 is one of the most compact and lightweight two-way heads found on the market and was designed to support the latest digital video equipment, including Mini DV and the latest prosumer/professional compact HI DEFINITION camcorders. It is equipped with a fixed 3.3 lb counterbalance spring and a sliding plate which can shift from +15mm to -15mm to deliver a wide range of balancing positions. Fluid drag on the 701RC2 is fixed. The 701RC2 has a fixed length pan bar with a soft handle and separate locking mechanisms to the head to adjust in many positions. The sliding quick-release video plate system is based on the 3157N equipped with the usual VHS pin.

## FEATURES

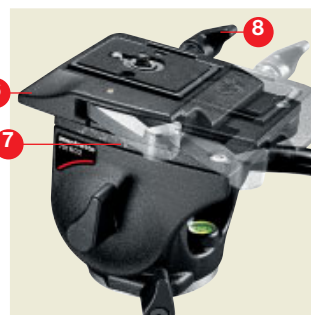


### FEATURES

- 1 Tilt Locking Knob
- 2 Pan Locking Knob
- 3 Spirit Level



- 4 Plate Release Lever
- 5 Quick Release Plate



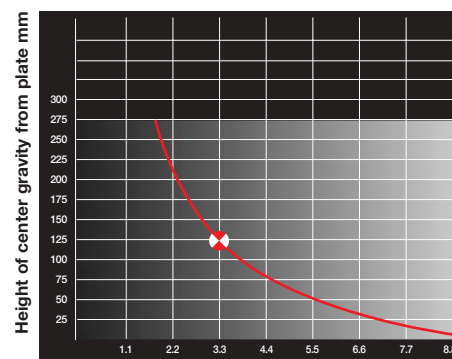
- 6 Sliding Top
- 7 Graduated Scale for Sliding Top
- 8 Sliding Top Knob

To correctly position a camera on a video head, it is important to know its balance point (also known as center of gravity or "CoG"). All Manfrotto video head counterbalance systems take into consideration a camera center of gravity of 125mm.

## TECHNICAL SPECIFICATIONS

Tilt	+90° -60°
Tilt Drag	1 fixed
Independent Tilt Lock	Yes
Pan	360°
Pan Drag	1 fixed
Independent Pan Lock	Yes
Counterbalance	Yes
Flat Base	3/8" female thread to mount on 75 mm ball or flat top tripod
Leveling Bubble	Yes
Pan Handle	1
Quick Release Plate	Supplied with: 1/4-20" camera screws
Temperature Range	4°F 140°F

## COUNTERBALANCE GRAPH





## Video heads



### PRO VIDEO HEAD 3433 (501)



Designed to support the latest range of small, professional digital cameras as well as cameras with longer lenses and spotting scopes, the 3433 (501) head gives best-in-the-market value and performance for payloads up to an ample 13.2 lb. The light but positive fluid movement provides exceptionally smooth control through 360° pan and +90° to -60° tilt. It has added Teflon friction adjustment to increase drag, and separate pan and tilt locks. Design practicality also features the 3433PL quick-release sliding plate with VHS pin, a single pan bar and flat base with 3/8" tripod socket.

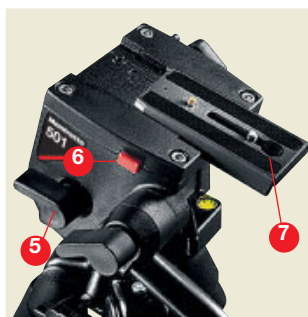
### FEATURES



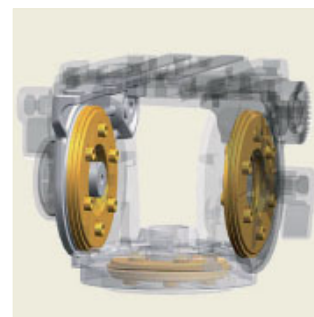
- 1 Pan Lock
- 2 Pan Friction Control
- 3 Spirit Level



- 4 Tilt Friction Knob



- 5 Tilt Lock
- 6 Sliding Plate Safety Release Button
- 7 Sliding Quick Release Plate



Continuous drag friction control operated by a set of TEFLON disks.

### TECHNICAL SPECIFICATIONS

Tilt	+90°-60°
Tilt Drag	1 step plus variable Teflon friction
Independent Tilt Lock	Yes
Pan	360°
Pan Drag	1 step plus variable Teflon friction
Independent Pan Lock	Yes
Flat Base	3/8" female thread to mount on 75 mm flat top tripod
Pan Handle	1
Additional Pan Handle	3433HK (available as an option)
Optional Quick Release Plate	501PLONG
Sliding Quick Release Plate	Supplied with: 3/8" and 1/4-20" camera screws
Sliding Travel of Plate	58 mm
Temperature Range	14°F 140°F





## PRO FLUID VIDEO HEAD 3460 (503)



The 3460 is designed to support the latest professional digital video cameras. Particular care has been taken to achieve the best fluid control, the smoothest possible pan and tilt movements and the most customizable performance using a manually adjustable drag variation mechanism. Additionally, the 3460 is equipped with a built-in balance spring (set for an ideal load of approx. 5.5 lb) to maintain camera positioning during tilt movements. The 3460 head has the best price/performance ratio of any fluid head on the market today. Designed for payloads up to an ample 17.6lb, its light but positive fluid movement provides exceptionally smooth control, thanks also to its new fine-control drag device, which offers continuous adjustment from nearly 0 drag to maximum. The 3460 has a quick-release sliding plate with VHS pin, a single telescopic pan handle and flat base with 3/8" tripod socket.

## FEATURES



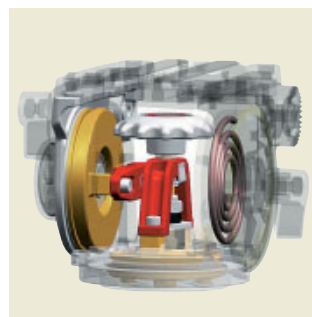
- 1 Pan Lock
- 2 Pan Friction Control
- 3 Spirit Level



- 4 Tilt Friction Control



- 5 Sliding Plate Safety Release Button
- 6 Sliding Quick Release Plate
- 7 Tilt Lock

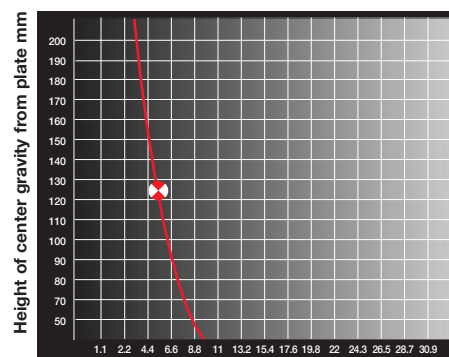


This technical drawing of the 3460 video head points out two very important features which make this head quite different from the 3433: a fixed counterbalance spring and the variable continuous "fluid" drag friction control mechanism.

## TECHNICAL SPECIFICATIONS

<b>Tilt</b>	+90° -60°
<b>Tilt Drag</b>	Continuously adjustable from 0 to max level
<b>Independent Tilt Lock</b>	Yes
<b>Pan</b>	360°
<b>Pan Drag</b>	Continuously adjustable from 0 to max level
<b>Independent Pan Lock</b>	Yes
<b>Balance control</b>	1 fixed spring for 5.5 lb camera weight
<b>Flat Base</b>	3/8" female thread to mount on 75 mm flat top tripod
<b>Leveling Bubble</b>	Yes
<b>Telescopic Pan Handle</b>	1
<b>Additional Pan Handle</b>	3460HK (available as an option)
<b>Optional Quick Release Plate</b>	501PLONG
<b>Sliding Quick Release Plate</b>	Supplied with: 3/8" and 1/4-20" camera screws
<b>Sliding Travel of Plate</b>	58 mm
<b>Temperature Range</b>	14°F 140°F

## COUNTERBALANCE GRAPH



Payload lb

## Video heads



### PRO FLUID VIDEO HEAD 516

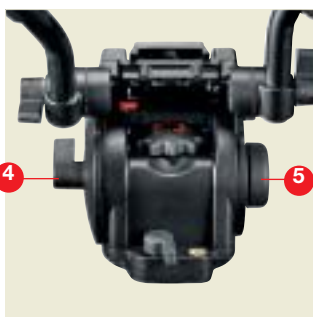


Specifically designed for the latest DV camcorders used by documentary and industrial videographers the 516 head is very compact and light but can support cameras up to 22 lb. The 516 is a cost-effective high-performance head equipped with fluid cartridges that provide continuous adjustable drag control. This system gives a wide range of friction control down to "zero drag" and operates on both pan and tilt axis. Other important features of the head are: separate tilt and pan locking mechanism; a fixed counter balance spring of 16.5 lb load capacity at a center of gravity of 125mm; two telescopic pan handles; and a bubble level. The head has been designed so it can be mounted on a flat base tripod with a 3/8" female thread attachment or by attaching the ART 3141BALL to the head base, allowing it to fit a 100mm bowl.

### FEATURES



- 1 Pan Lock
- 2 Pan Friction
- 3 Spirit Level



- 4 Tilt Locking Lever
- 5 Tilt Friction

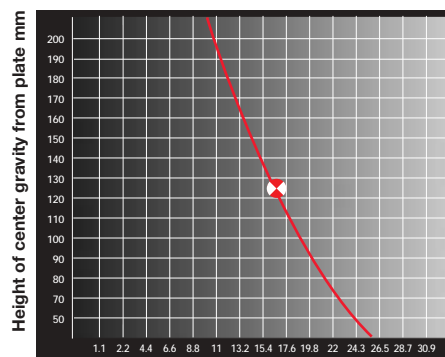


- 6 Sliding Plate Safety Release Button
- 7 Sliding Quick Release Plate

### TECHNICAL SPECIFICATIONS

Tilt	+90° -60°
Tilt Drag	Continuously adjustable from 0 to max level
Independent Tilt Lock	Yes
Pan	360°
Pan Drag	Continuously adjustable from 0 to max level
Independent Pan Lock	Yes
Balance control	1 fix spring for 16.5 lb camera weight
Flat Base	3/8" female thread to mount on 75 mm ball or on flat top tripod
Leveling Bubble	Yes
Telescopic Pan Handle	2
Optional Quick Release Plate	357PLONG
Sliding Quick Release Plate	Supplied with: 2 x 3/8" camera screws and 2 x 1/4" camera screws
Sliding Travel of Plate	80mm
Temperature Range	14°F 140°F

### COUNTERBALANCE GRAPH



Payload lb



## PRO FLUID VIDEO HEAD 519



5.9in 6.4lb 22lb 3433PL 75mm

It's a fact that not all cameras weigh the same. Some mini DV cameras may weigh only 2 lb while professional grade DV cameras can weigh up to 22 lb. Professionals have as many equipment options as they do shooting styles, utilizing a wide range of different cameras including MINI DV, DVCAM, HD, and ENG. When using numerous accessories, many of these setups can quickly overload video heads above the maximum recommended weight. Understanding the problem that professional videographers face, Manfrotto has developed the 519, a compact, yet heavy duty fluid video head capable of accommodating a counterbalance payload from 3.3lb up to 19.8 lb. This is a revolutionary breakthrough from Manfrotto, as the 519 will be the only video head on the market encompassing both interchangeable and adjustable counterbalance springs. Combining both features will allow videographers to easily interchange a vast array of cameras of various weights as well as quickly fine tune the perfect balance point of whatever camera being used, all with just one head! In addition, fluid drag is easily controlled with a large numbered knob in seven increments. Drag can be adjusted from the highest possible setting to nearly zero drag, allowing for the finest control through 360° pan and +90° to -90° tilt. For camcorders with lots of extras, we recommend the 501PLONG long plate. This plate will enable you to better balance the unusual weight distribution of the camcorder on your head.

### FEATURES



- 1 Pan Locking Knob
- 2 Pan Drag Control
- 3 Spirit Level



- 4 Tilt Locking Knob
- 5 Tilt Drag Knob
- 6 Counterbalance Adjustment Knob



- 7 Sliding Quick Release Plate
- 8 Sliding Quick Release Knob
- 9 Sliding Plate Safety Release Button
- 10 Interchangeable Pan Bar Rosette

### BALANCE SPRINGS SUPPLIED WITH HEAD

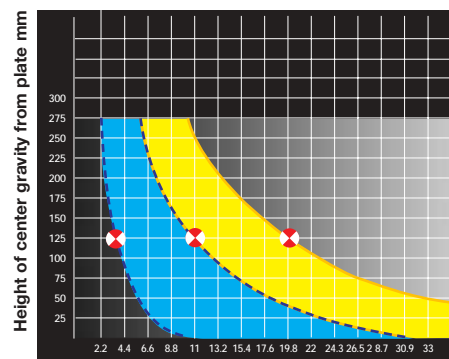


- Blue spring - minimum
- Blue spring - MAXIMUM
- Yellow spring - minimum
- Yellow spring - MAXIMUM

### TECHNICAL SPECIFICATIONS

Tilt	+90° -90°
Tilt Drag	Variable (7 steps)
Independent Tilt Lock	Yes
Pan	360°
Pan Drag	Variable (7 steps)
Independent Pan Lock	Yes
Variable Balance Control	Yes (Operated by two interchangeable and adjustable springs, the blue one from 3.3 to 11 lb and the yellow one from 11 to 19.8 lb @ 125 mm CG and 60° from tilt inclination)
Head Bowl	75 mm
Leveling Bubble	Yes
Telescopic Pan Handle	1
Additional Pan Handle	519LV (available as an option)
Optional Quick Release Plate	501PLONG
Sliding Quick Release Plate	Supplied with: 3/8" and 1/4-20" camera screws
Sliding Travel of Plate	58 mm
Temperature Range	4°F 140°F

### COUNTERBALANCE GRAPH



Payload lb



Video heads



PRO FLUID VIDEO HEAD 3274 (316)

-   
5.7in
-   
10lb
-   
13.2/35.3lb
-   
3272
-   
100mm

The 3274 is designed for use with cameras weighing up to 35.3lb. It incorporates variable balance adjustment and fixed drag system that allows fingertip control at all times. Supplied with quick release sliding plate, secondary safety lock and two telescopic pan bars.

FEATURES



- 1 Tilt Lock  
2 Pan Lock



- 3 Balance Control  
4 Spirit Level



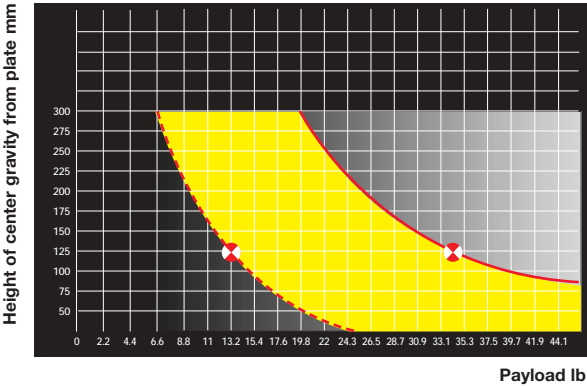
- 5 Sliding Quick Release Plate  
6 Secondary Safety Button



TECHNICAL SPECIFICATIONS

Tilt	+70° -70°
Tilt Drag	1 fixed
Independent Tilt Lock	Yes
Pan	360°
Pan Drag	1 fixed
Independent Pan Lock	Yes
Variable Balance Control	Yes
Head Bowl	100mm
Leveling Bubble	Yes
Telescopic Pan Handles	2
Sliding Quick Release Plate	Supplied with: 2 x 3/8" Camera screws and 2 x 1/4-20" Camera screws
Optional Quick Release Plate	357PLONG
Sliding Travel of Plate	80mm
Temperature Range	14°F 140°F

COUNTERBALANCE GRAPH



### Compatible plates

Range of additional plates for either fixed or sliding quick release assembly.



#### COMPATIBLE PLATE 357PLONG

This long version of the standard plate allows perfect balance for camcorders with unusual weight distribution caused by long tele lenses or heavy batteries. The plate has a laser engraved scale to help identify and record optimal position. In order to free the maximum range of possible balance positions, the VHS location pin is able to slide along the length of the plate. Supplied with 2 x 1/4-20" and 2 x 3/8" camera screws. Compatible with 516 and 3274 (316).



#### COMPATIBLE PLATE 501PLONG

This long version of the standard plate allows perfect balance for camcorders with unusual weight distribution caused by long tele lenses or heavy batteries. The plate has a laser engraved scale to help identify the optimal position. In order to have the max range of balance positions, the VHS location pin can be moved along the length of the plate. Supplied with 2 x 1/4-20" and 2 x 3/8" camera fixing screws. Compatible with 3433 (501), 3460 (503) and 519.

### Compatible additional pan bars

Additional pan bars to be used as a second or replacement pan bar on Manfrotto video heads.



#### PAN BAR 3433HK

Fixed two section pan bar for the 3433 video head.



#### PAN BAR 3460HK

Telescopic pan bar for the 3460 video head.

### Compatible quick release adapters

Use to convert a non quick release camera platform into one of the three quick release systems used on all Manfrotto video heads or convert a variety of supports (jib arms, booms, monopods, brackets) compatible with the same camera plate attachment.



#### PRO VIDEO QUICK RELEASE ADAPTER 3273

Compatible with the 3272 camera plate (supplied with the 516 and 3274 (316) video heads) and the special 357PLONG accessory plate. This quick release adapter gives you the freedom to remove the camera from the head and put it on any other support. Supplied with 2 x 1/4-20" and 2 x 3/8" camera screw. Sliding travel of plate: 3.15in



#### VIDEO QUICK RELEASE ADAPTER 577

Compatible with the 3433PL camera plate (supplied with the 3433 (501), 3460 (503) and 519 video heads) and the special 501PLONG accessory plate. This quick release adapter gives you the freedom to remove the camera from the head without detaching it from the plate and put it on any other support. Supplied with 1/4-20" and 3/8" camera screws. Sliding travel of plate: 1.96in



#### RECTANGULAR VIDEO QUICK RELEASE ADAPTER 3299

Compatible with the 3157N camera plate (supplied with the 700RC2 and 701RC2 video heads). This quick release adapter gives you the freedom to remove the camera from the head without detaching it from the plate and put it on any other support. Supplied with 1/4-20" camera screw.



#### PAN BAR 519LV

Telescopic pan bar for the 519 video head.





## Video remote control

Our video camera remote control units put the essential commands of market-leading video cameras from Sony, Canon and Panasonic at your fingertips when using a tripod and video head, a jib arm or crane, or any other kind of camera support. The range is divided not only by camera compatibility (due to different use of device protocols by manufacturers, each model has to be designed around specific makes or models of camera), but also by mounting type. The 523PRO has built-in video head pan bars making them most suitable for use in classic tripod/head setups. The 521 models are built onto clamps, enabling them to be used on tubes, pipes, table tops, steering wheels, handlebars, hang-gliders or even to be hand held for ultimate freedom in control. Pan bar mounted versions offer the advantage of allowing you to operate both camera movement and many recording/zoom controls with the same hand, letting you take care of creative decisions rather than having to worry about how to reach the camera buttons, follow the subject and keep movements smooth all at the same time. Clamp versions reduce the number of buttons and controls to the bare minimum, but where you use them is limited only by your imagination!

		Remote control				
		523PRO	522P	521	521P	521PRO
Camcorder	<b>SONY</b>					
	DSR-PDX10	x		x		x
	DSR-PD170	x		x		x
	DSR-PD150	x		x		x
	DSR-250	x		x		x
	DSR-200	x		x		x
	DCR-VX2100	x		x		x
	DCR-VX2000	x		x		x
	DCR-VX1000	x***		x		x***
	DCR-TRV950	x***		x		x
	DCR-PC330	x		x		x
	HDR-FX1	x		x		x
	<b>CANON</b>					
	XM-1	x		x		x
	GL-1	x		x		x
	XM-2	x		x		x
	GL-2	x		x		x
	XL1	x***		x		x***
	XL1s	x***		x		x***
	XL2	x***		x		x***
	<b>PANASONIC</b>					
	AG-DVX 100E		x		x	
	AG-DVX 100A		x		x	
	AG-DVC 80		x		x	
	AG-DVC 30		x		x	

\*\*\* no PAF - no Push Auto Focus function

## Video remote control

### REMOTE CONTROL PRO FOR SONY/CANON 523PRO

The 523PRO remote control works with both Sony and Canon LANC-enabled video cameras. The remote control features a record/stop button, a power on/standby button, three different zoom speed control buttons (slow, medium and fast) and a push auto focus button. The zoom wheel can be used to control one of the three preset, maximum zoom speeds or a customizable maximum speed which you can set to exactly the level you want. For all zoom speeds except the slowest preset speed, you can choose between progressive zoom speed (the further you rotate the zoom wheel, the faster the zoom) or fixed zoom speed (irrespective of the rotation applied to the wheel, zoom speed remains constant) by pressing the button once (progressive) or twice (fixed). The LED shows you which speed you have selected. To set a "custom" zoom speed, simply hold the zoom speed button until the LED flashes and use the wheel to set your speed. The setting remains in the unit's memory until you decide to change it. Whether you choose a limited progressive zoom range or a single fixed speed, the features of the 523PRO mean you can easily repeat zooms precisely in subsequent takes of the same shot. The 523PRO also allows you to set left- and right-handed operation by changing zoom wheel direction. The push auto focus button makes it very easy to achieve in focus images when working in manual focus mode. You can also use the manual focus in and out buttons. 523PRO does not come with any parts to fit to the head, but instead utilizes the pan bar clamp that comes with all Manfrotto heads.

The 523PRO is the only semi-professional video remote system available on the market today that uses a professional-type zoom "wheel" for finer adjustment and smoother progressions



Zoom wheel direction can be inverted (left – right or right – left)



Telescopic pan bar allows you to choose the most comfortable working position



Only system with 2.5 sub mini stereo jack connector rather than built-in cable means the camera cable can be easily substituted



Incorporation of the remote control with the video head pan bar ensures sturdiness and eliminates mechanical problems.



#### COMMANDS



**POWER ON/STANDBY**  
**PUSH AUTO FOCUS**  
**ZOOM SET SPEED 1**  
F=fixed zoom speed  
P=progressive zoom speed  
**ZOOM PRESET SPEED 2**  
F=fixed zoom speed  
P=progressive zoom speed  
Custom progressive zoom speed  
**ZOOM PRESET SPEED 3**  
F=fixed zoom speed  
P=progressive zoom speed  
Custom progressive zoom speed  
**REC/STOP**  
**FOCUS IN**  
**FOCUS OUT**  
**ZOOM WHEEL**

### REMOTE CONTROL FOR PANASONIC 522P

The 522P is a dual circuit, progressive zoom remote control unit for the Panasonic AG-DVC-30, AG-DVC80 and AG-DVX100A. It is built into a video head pan bar that is suitable for Manfrotto models 3433, 3460, 516 and 3274. The dual circuit allows you to choose between a zero power consumption "analog" mode for basic functions (record/stop and progressive min-max zoom via a professional zoom wheel) and a 3 AA (1.5 volt) battery-powered, advanced, customizable, digital mode. The digital mode gives you the record/stop function, and the zoom wheel. The zoom wheel can be used to control one of three preset maximum zoom speeds or a customizable maximum speed which you can set to exactly the level you want. The "custom" zoom speed setting remains in the unit's memory even when batteries run down, until you decide to change it. In addition, for all options except the slowest preset speed, you can choose between progressive zoom speed (the further you rotate the zoom wheel, the faster the zoom) and fixed zoom speed (irrespective of the rotation applied to the wheel, zoom speed remains constant) by pressing the button once (progressive) or twice (fixed). An LED shows you which speed you have selected. The 522P also allows you to set left- or right handed operation by changing zoom wheel direction. The 522P does not come with any parts to fit to the head, but instead utilizes the pan bar clamp that comes with all Manfrotto heads.

Only control unit on the market that not only has the basic "analog" mode, but also a full-featured "digital" mode with three zoom speed presets, a fourth "personal" speed setting, and progressive or fixed zoom speeds

Professional zoom wheel gives finer control over progressive zoom speeds



Zoom wheel direction can be inverted left – right or right – left



Battery compartment located in handle of pan bar. Batteries not included



522P is mounted on a telescopic video head pan bar for sturdy attachment, comfortable positioning and fingertip control



Only system with 2.5 sub mini stereo jack connector instead of built-in cable, so it can easily be substituted, lengthened or shortened.



Incorporation of the remote controller with the video head pan bar ensures sturdy attachment and eliminates mechanical problems



#### COMMANDS



#### MINIMUM ZOOM SPEED

preset, fixed speed only

#### MEDIUM ZOOM SPEED

preset, fixed or progressive speed

#### MAXIMUM ZOOM SPEED

preset, fixed speed only

#### DIGITAL MODE

Switch to digital mode for access to advanced zoom functions

#### REC/STOP

#### ANALOG MODE

Switch back to analog mode to save battery life

#### CUSTOM

Customizable zoom speed, fixed or progressive speed

#### ZOOM WHEEL



## Video remote control

### PRO REMOTE CONTROL FOR SONY & CANON 521PRO

Designed for Sony and Canon Mini DV, and Hi8 cameras, the 521PRO is a compact remote control that is built onto a small clamp to suit a wide range of applications. The 521PRO enables you to control power, recording, zoom and focus. Like the 523PRO, the 521PRO features manual focus buttons and an auto focus button, allowing you to achieve in-focus images easily when working in manual focus mode. It also has a progressive zoom speed (the further you rotate the zoom wheel, the faster the zoom), a fixed zoom speed (irrespective of the rotation applied to the wheel, zoom speed remains constant), or a customizable maximum speed, which you can set to exactly the level you want. To set a "custom" zoom speed, simply hold the zoom speed button until the LED flashes and use the wheel to record your speed. The LED shows you which speed you have selected.

### BASIC REMOTE CONTROL FOR SONY & CANON 521

Like the 521PRO, the 521 is a compact remote control that is built onto a small clamp for Sony and Canon Mini DVs, and Hi8 cameras. The 521 allows you to control the most commonly used features of your camera: power on/off, record/stop, focus in/out and zoom through the professional zoom wheel.

### BASIC REMOTE CONTROL FOR PANASONIC 521P

The 521P is designed to work with Panasonic cameras AG-DVC-30, AG-DVC80 and AG-DVX100A, and enables you to control the record/stop and zoom in/out functions of the camera.



**JACK CONNECTOR**  
2.5 mm sub mini jack instead of built-in cable means you can easily change the length of the camera cable for different set-up requirements

**ZOOM WHEEL**  
Professional zoom "wheel" for finer adjustments and smoother progressions



**INVERTIBLE ZOOM DIRECTION**  
(not 521P) Zoom in/out direction can be inverted (left to right, or right to left)

Only on 521PRO: invertible focus direction



**CLAMP RANGE**  
Square tube of flat surfaces:  
0.19in – 1.18in height



**CLAMP RANGE**  
Rectangular tube of flat surfaces:  
0.19in – 1.18in height



**CLAMP RANGE**  
Round tube/pipe/bar: 0.47in  
to 1.38in diameter



#### COMMANDS 521



POWER ON/OFF  
FOCUS IN  
REC/STOP  
FOCUS OUT  
ZOOM WHEEL

#### COMMANDS 521P



REC/STOP  
ZOOM WHEEL

#### COMMANDS 521 PRO



POWER ON/OFF  
FIXED, PROGRESSIVE AND  
CUSTOMIZABLE ZOOM SPEEDS  
REC/STOP  
PUSH AUTO FOCUS  
ZOOM WHEEL  
FOCUS IN/OUT

### REMOTE PAN BAR ADAPTER

It seemed too much of a shame to keep this to ourselves, so we've also made available a pan bar adapter kit that connects the Manfrotto remote control to video heads from other manufacturers:



#### SUPPLEMENTARY ADAPTER CODE FOR SONY AND CANON

SUPPLEMENTARY ADAPTER CODE FOR SONY AND CANON	BAR DIAMETER
522PB 12	0.47in
522PB 13	0.51in
522PB 14	0.55in
522PB 16	0.62in
522PB 18	0.70in
522PB 22	0.86in
522PB 25	0.98in
522PB 30	1.18in



#### SUPPLEMENTARY ADAPTER CODE FOR PANASONIC

SUPPLEMENTARY ADAPTER CODE FOR PANASONIC	BAR DIAMETER
522PB 12P	0.47in
522PB 13P	0.51in
522PB 14P	0.55in
522PB 16P	0.62in
522PB 18P	0.70in
522PB 22P	0.86in

### OPTIONAL CABLES

The following cables of different length are available as accessories:



#### REMOTE CONTROL CABLE STANDARD 522SCA

2.5 sub mini male/male jack coiled cord cable measuring 9.8in extendable to 19.7in supplied as standard with all the units.

#### REMOTE CONTROL CABLE EXTENSION 522EXTC

2.5 sub mini male/female jack and plug, straight cable, measuring 35.4in in length can be fitted to all units.

#### REMOTE CONTROL CABLE SUPER EXTENSION 522EXTC30

2.5 sub mini male/female jack and plug, straight cable, measuring 98 feet in length can be fitted to all units.



#### RAIN COVER FOR REMOTE CONTROL 523RC

Waterproof cover for Manfrotto remote control series 522 and 523 supplied with a crystal clear vinyl panel to allow to view the remote control button during the shooting session. The cover slips quickly over the remote pan bar to protect it from rain or sudden showers.

## Video tripods

### WHAT IS TORSIONAL RIGIDITY?

Maximum torsional rigidity is the first feature all videographers want from their video tripod.

A professional video tripod has to provide a rock solid base that is not sensitive to the mechanical stress induced by the tilt and pan movement.

Weight and the maximum/minimum working height are other important factors which need to be taken in serious consideration when choosing your video tripod.

Manfrotto has been the first manufacturer in the world that has created both the traditional twin leg design video tripod and a single leg tube concept, which do not sacrifice the weight and working height of a tripod for its torsional rigidity performance. The MDEVE tripod and the traditional photographic design ones offer the best tripod solution for the latest professional MINI DV and DV camcorder.

### VIDEO TRIPOD LEG STRUCTURE & MATERIALS

Video tripods can be divided into two groups based on their leg types: those with single legs throughout, and those with twin parallel legs in the top sections. Most tripods use circular profile tubes, while the MDEVE 755MF3 and 756MF3 use a three-faceted profile which helps to eliminate all unwanted rotation. In the case of carbon fiber tripods the legs can be clamped into the tripod top crown rather than glued in.



### VIDEO TRIPODS

In the chart we suggest how to combine our tripods with your camcorder depending on the different type/format of camcorder you use.

Digital camcorder models							
Format	Micro DV Mini DV DVD	Mini DV	DV DV cam DVC Pro DIGI Beta Betacam SP Betacam SX				
Number and Size of CCD	One 1/4"	Three 1/3"	Three 1/2" or 2/3"				
Camcorder Weight	From 2.2 to 13.2 lb.	From 15.4 to 33.1 lb.	From 22 to 44.1 lb	Over 44.1 lb	Number of Stage	Tripod to Head Attachment	Material
<b>SINGLE LEG</b>							
755MF3	x				2	3/8" Male thread	Carbon
756MF3	x				2	3/8" Male thread	Carbon
755B	x				2	3/8" Male thread	Aluminum
756B	x				2	3/8" Male thread	Aluminum
745B	x				2	3/8" Male thread	Aluminum
745MF3	x				2	3/8" Male thread	Carbon
190SSB	x				2	3/8" Male thread	Aluminum
3221WN	x				2	3/8" Male thread	Aluminum
3068	x		x		2	3/8" Male thread	Aluminum
528XB				x	2	3/8" Male thread	Aluminum
<b>TWIN LEG</b>							
532ART	x	x	x		2	75 mm+100 mm bowl	Aluminum
542ART	x	x	x		2	75 mm+100 mm bowl	Carbon
525MVB	x	x	x		2	75 mm bowl	Aluminum
515MVB		x	x		2	100 mm bowl	Aluminum
3193		x	x		1	100 mm bowl	Aluminum
3185		x	x		1	100 mm bowl	Aluminum
3182		x	x		1	75 mm bowl	Aluminum
351MVCF		x	x		1	75 mm bowl	Carbon





## Technical Features MDEVE TRIPODS

The much-heralded arrival of the digital era has brought with it a drastic reduction in weight and size of video camera equipment, matched by enormous advances in the picture quality achievable with the most minuscule of systems.

Those working in the video sector are demanding camera supports that are tailored to these small new cameras but that make no compromises in key areas such as rigidity which could jeopardize the fluidity and smoothness of camera movements. It is out of these demands that Manfrotto's MDeVe series was born.

Aimed at the DV, Mini DV and Micro DV markets, this family of tripods provides high performance with an extremely compact and lightweight structure. The series is made up of six tripods; three are entirely in aluminum and three have carbon fiber leg sections with magnesium castings.

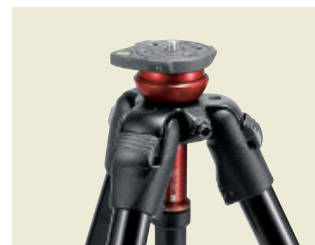
All six are two-stage tripods and are supplied with quick release leg locking levers, asymmetric leg angle presets and, most significantly, our patent-pending, rapid center column with built-in leveling half ball. The fact that the 50mm diameter ball with bubble spirit level is attached not to the tripod top spider but to the top of the center column allows you to level the top plate (and consequently the head and camera) and even adjust the camera height without needing to make micro adjustments to the tripod legs, representing timesaving and added convenience. Manfrotto MDeVe tripods - avant-garde digital video camera support.

Tripod to head connection via a 3/8" male thread, built-in spirit level and three grub screws for secure locking mountings.

Center column with built-in 50 mm half ball locked using the rotating grip located at the bottom of the center column. Tilt range: +15°/-15°

Quick action lever leg lock system (45° run).

Rubber feet



Mounted on a built-in 50mm half bowl leveling system (on 745B and 745MF3 tripods).

Single tube leg profile made of round-section aluminum or carbon fiber.



Four different leg angle settings.

Compatible accessory:



Model shown: 755B



### LEVELING CENTER COLUMN ANGLE BRACKET 553

This simple bracket enables you to work with the center column in the horizontal position while keeping the head parallel to the ground. Single tube leg profile made of round-section aluminum or carbon fiber.



## MDEVE MAGFIBER VIDEO TRIPOD 756MF3

								
23.4in	21.5in	46.9in	54.5in	4lb	8.8lb		3127/3137	3155

The 756MF3 is the most innovative tripod of the MDEVE series due to the combination of low weight (carbon fiber for the legs/magnesium die casting) and high load capacity materials used for its construction. Its unique, patent-pending aluminum center column construction and precision-machined red anodized aluminum includes a built-in 50mm leveling ball system locked by a detachable rotating grip built at the bottom of the center column. This allows the camera operator to level the camera and even adjust its height without needing to make micro adjustments to each individual tripod leg. The castings of the 756MF3 are constructed of magnesium to reduce the weight. The crown design also allows the center column to be horizontally mounted.

## MDEVE MAGFIBER VIDEO TRIPOD 755MF3

								
26.6in	24.6in	54.7in	63.2in	4.6lb	15.4lb		3127/3137	3155

Same design as the 756MF3 but with larger leg diameter, top spider and leg locks, enabling the 755MF3 to handle a higher load capacity.

## MDEVE ALUMINUM VIDEO TRIPOD 756B

								
23.2in	17.7in	48in	56.3in	4.9lb	8.8lb		3127/3137	3155

Professionals will love this extremely compact and light aluminum video tripod. The tripod has an easily removable center column provided with a 50mm leveling ball and spirit level that can be used horizontally or vertically. This option allows the column to be converted into a horizontal arm in seconds, providing the tabletop and overhead camera positioning that are impossible with standard tripods. Perfectly supports most MINI DV camcorders.

## MDEVE ALUMINUM VIDEO TRIPOD 755B

								
26.6in	19.1in	58.3in	64.2in	6.2lb	15.4lb		3127/3137	3155

Same design as the 756B but with larger leg diameter, top spider and leg locks, enabling the 755B to handle a higher load capacity. Designed for the professional videographers, this is an extremely versatile tripod, ideal for MINI DV camcorders. It is entirely made from aluminum, and has a removable center column with built-in 50 mm leveling ball and bubble spirit level that can easily be re-fitted as a lateral arm. Not only does this allow the camera to be offset from the leg position, it is also the simplest way to shoot a subject from directly overhead.

## MDEVE ALUMINUM VIDEO TRIPOD 745B

								
24.8in	8.7in	54.3in	5.3lb	15.4lb			3127/3137	3155

Two-stage aluminum tripod specifically geared towards "on-the-go" videographers looking for a simple, straightforward, and affordable tripod without sacrificing stability. With a maximum load capacity of 13.2lb, the new Manfrotto 745B video tripod is designed to handle payloads commonly associated with Mini DV or DVCams. An integrated 50mm leveling ball allows for quick set up with  $\pm 15^\circ$  of leveling capability. The 745B is ideal for travel, quickly folding up to a compact 24.8in and weighing only 5.3lb. For applications that demand full extension, the 745B has a maximum working height of 54.3in. For low shots, the 745B can provide support as low as 8.7in with all three legs opened to a full  $90^\circ$ .

## MDEVE MAGFIBER VIDEO TRIPOD 745MF3

								
24.8in	8.7in	52.5in	4.4lb	13.2lb			3127/3137	3155

Same design concept as the 745B but with the tripod legs made using locking collars in magnesium and legs tubes in carbon fiber to provide better torsion rigidity and less weight during transportation.

## Video tripods



### VIDEO MONOPOD 559B



21.7in 63.4in 1.3lb 9.9lb 3157N

Our most compact monopod, this four-section video monopod features, quick-action leg locks, rubber grip, wrist strap, suction cup foot and 3299 camera plate adapter. Ideal to support small and very compact MINI DV camcorders.

### VIDEO MONOPOD 558B



25.6in 62.6in 2.2lb 17.6lb 3433PL

Light and compact three-section professional monopod featuring rubber grip, suction cup foot, quick-action leg locks, wrist strap and 577 sliding camera plate adapter to adjust the camera's center of balance. Ideal for DVCAM and MINI DV camcorders.

### VIDEO MONOPOD 557B



26.4in 64.6in 2.2lb 26.5lb 3272

Solid and stable three-section professional monopod featuring rubber grip, suction cup foot, quick-action leg locks, wrist strap and 3273 sliding camera plate adapter to adjust the camera's center of balance. Ideal for ENG style camcorders.

### VIDEO TRIPOD 3001BWN



22.4in 6.7in 46.9in 58.3in 4.9lb 8.8lb 3127-3137 3155

Lightweight, sturdy and portable, the 3001BWN is one of Manfrotto's easiest tripods to operate. Four position leg spreads, long center column for extra adjustment, two leg warmers, quick flip lever locks, rubber feet and retractable rubber feet with steel spikes are all incorporated into the tripod. Ideal for DV and MINI DV camcorders.

### VIDEO TRIPOD 3221WN



25.6in 3.1in 54.3in 71.3in 6.2lb 15.4bs 3127-3137 3155

Same design as the 3001BWN, but with larger dimensions, enabling the 3221WN to handle a higher load capacity.



## VIDEO TRIPOD 3068



37in



18.1in



57.9in



68.1in



12.6lb



39.7lb



3067/3156

Stainless steel extension legs and extra sturdy leg locks make this the robust choice for video crews around the world. The 3068 features a built-in spirit level at the shoulder and telescopic mid-level spreader. It comes complete with rubber feet and retractable metal spike. Only available in silver, 3068.



Reversible leg-end has rubber feet for smooth floors and stainless steel spikes for uneven terrain

## BLACK VIDEO/MOVIE HEAVY TRIPOD 528XB



39in



28.7in



58.3in



16.3lb



110lb



100mm



3067

The 528XB is the ideal location tripod, with a massive 110lb load capacity. It is a sturdy single-stage tripod with a single-tube leg structure. Tubes are made of stainless steel for strength under heavy loads, and aluminum to decrease weight. The leg spread is fully adjustable, but also incorporates a 30° locked position for faster set up and greater strength. A 100mm bowl accepts industry-standard half-ball video heads and allows you to level the head quickly for accurate panoramic shots. The included claw ball allows you to use it with heads not equipped with a half ball. The 528XB includes a versatile mid-level spreader, which has telescopic “ratchet” braces that click into place in each of the preset positions for faster deployment. Each brace can be individually set, allowing each tripod leg to be separately positioned. The 528XB is the ideal choice for supporting camera jib arms.

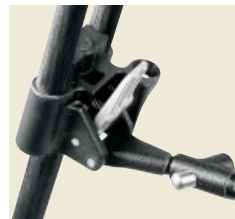


## Technical Features ART PRO VIDEO TRIPODS

For the A.R.T. (Advanced Release Technology – world wide patent pending) tripod series, Manfrotto's target has been to break the four second limit – from securely closed to fully open in under four seconds without a single lever, button or knob -- a challenge we're extremely proud to say we matched and surpassed, creating the world's fastest video tripod. But we would never forget that speed without stamina is only half the equation; agility without strength is little more than a gimmick. Try the ART tripods in a head to head comparison with any other video tripods. The difference in speed and practicality will astound you, and the performance will reassure you that A.R.T. is the perfect tool for your filming! The future? The future is your work... your art... our A.R.T.

Convenient padded handle for rapid tripod opening

Button rapidly unlocks top leg sections for subsequent fine-positioning



Lever unlocks lower leg sections for fine positioning – simply release the lever to relock the section



To open the spreader, press the ratchet pin and pull the leg outwards to the desired click stop



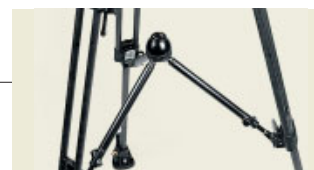
To close, simply push the tripod leg inwards; the telescopic spreader will retract automatically.



Each leg can be individually set quickly and precisely. Positioning the tripod anywhere between minimum and maximum height can be done in four seconds. The tripod can be opened to any height or inclination from fully closed position in a matter of seconds



75mm bowl screw-in adapter allows the A.R.T. to hold industry standard 100mm or 75mm half-ball video heads



"Squid" mid-level spreader locks the spreader brace inclination for improved tripod stability even with a smaller footprint



Model shown: 532ART

Included pull-on/off rubber feet give firm grip on smooth floors; double stainless steel spikes are perfect on uneven terrain at all leg angles



## ART CARBON FIBER PRO VIDEO TRIPOD 542ART



28.7in 15.7in 59.8in 8.8lb 33.1lb 75/100mm

Use of carbon fiber tubing makes this two-stage video tripod one of the lightest in its class. The 542ART uses our patented A.R.T. (Advanced Release Technology) mechanism for the fastest opening, positioning and closing of any video tripod in the world, ideal for filming under pressure. Comes with 100mm-75mm bowl adapter for compatibility with all industry-standard half-ball video heads. Included mid-level “squid” spreader offers improved torsional resistance and keeps legs locked safely in position even when space is cramped and tripod footprint is smaller. Double stainless steel spiked feet also come with quick on/off rubber shoes for better grip on smooth floors. No protruding parts, levers or knobs to catch or damage. When closed, tripod legs interlock without additional clips, straps or hooks to ensure compactness and prevent damage. Leg lock mechanism can be adjusted for increased or reduced tightness.

## ART ALUMINUM PRO VIDEO TRIPOD 532ART



28.7in 15.7in 59.8in 9.7lb 33.1lb 75/100mm

Exactly the same as the 542ART but with aluminum leg tubes.

Video tripods



LIGHTWEIGHT VIDEO TRIPOD 525MVB

-  28.3in
-  12.6in
-  61.4in
-  7.7lb
-  33.1lb
-  75mm

A two stage, lightweight, high tensile aluminum tripod that is extremely rigid and stable. The 525MVB has a die-cast aluminum crown with a built-in 75mm interface bowl, adjustable leg clamp levers for reliability and safety in the field and a floor-level spreader which aids tripod leg angle setting adjustment. Lowest leg section has twin spiked feet. The tripod can also be equipped with spiked feet shoes, different types of dollies and two models of mid-level spreaders.

-  530SPRB/531SPR
-  3198/3156

LIGHTWEIGHT VIDEO TRIPOD 515MVB

-  28.3in
-  12.6in
-  61.4in
-  7.7lb
-  33.1lb
-  100mm

Exactly the same as the 525MVB but with a 100mm bowl.

-  530SPRB/531SPR
-  3198/3156



## VIDEO PRO TRIPOD 3193



The 3193 has tandem aluminum legs combined with a 100 mm half bowl attachment. Features include high tensile tubular aluminum legs with one step leg angle positioning system (21°). Legs can be adjusted within a 180° arc to other angle by using a mid-level spreader, 531SPRB and 530SPRB, or by using a floor spreader, 3138. Legs can be locked to any height with quick lever leg locks and stainless steel fittings. Twin spiked feet are standard. Also available in: 3190 Silver, 3191 Silver with retractable spikes, 3192 Black with retractable spikes.



## SHORT VIDEO PRO TRIPOD 3186



Short version of 3193. Also available in silver, 3185.



## LIGHTWEIGHT VIDEO TRIPOD 3182



The 3182 is designed with tandem upper legs and single lower legs with variable angle adjustment and twin spiked feet. It is supplied with a 75 mm half bowl attachment. Tripod top spider has a two step (18° - 28°) leg angle positioning system. Legs can be adjusted within a 180° arc to other angle by using a mid-level spreader, 531SPRB and 530SPRB, or by using a floor spreader, 3138. Quick lever leg locks and stainless steel fittings make this product extremely versatile and easy to use. Also available in silver, 3181.



## CARBON FIBER LIGHTWEIGHT VIDEO TRIPOD 351MVCF



The first two-stage carbon fiber video tripod from Manfrotto, equipped with a 75 mm half bowl, combines a twin leg design for the first stage and a single leg design for the second stage of the tripod, complete with double spiked feet. The legs have two angles adjustment; if they have to be adjusted to an angle of 180° the tripod should be equipped with a mid-level spreader, 3189. These technical solutions create a tripod with unrivalled torsion rigidity and substantial weight saving. All of the above listed features plus the use of composite materials like aluminum, magnesium, carbon fiber and reinforced nylon plastic have generated the most innovative support solutions for DV and MINI DV and compact ENG cameras.





## Dollies, Spreaders and Stabilizers

Manfrotto dollies and spreaders maintain a tripod at a secure spread. Dollies provide instant maneuverability around the studio or on location and all have fast action foot controlled braking systems.



### VIDEO DOLLY 3127



5.3lb 43.3in

Designed for light and medium weight tripods. The 3in wheels have a sure-lock feature that raises the wheels free of the ground so that the dolly rests on separate feet.

Designed for Manfrotto's **3001BWN, 3221WN, 745B, 745MF3, 755B, 755MF, 756B, 756MF3.**



### BASIC DOLLY 3137



7.5lb 30.7in to 44.9in

Everything that the 3127 has with the addition of variable spread to the legs. Suitable for standard and spiked feet.

Designed for Manfrotto's **3001BWN, 3221WN, 745B, 745MF3, 755B, 755MF, 756B, 756MF3.**



### VIDEO DOLLY 3067



17.6lb 44.1in

Heavy duty, super sturdy dollies are designed for use with large still and video tripods. They feature large 5in individually braked wheels with cable guards. Folds for transporting.

Designed for Manfrotto's **3068.**



### PORTABLE DOLLY 3198



13.7lb 44.1in

Same as the 3067 dolly with the ability to accept spiked tip tripods.

Designed for Manfrotto's **3193, 3185, 3182, 351MVCF.**



### FOLDING AUTODOLLY 3156



9.9lb 50in

Single lever braking system controls all three 3.1in wheels. Includes 3/8" attachment which allows you to fix a head for low angle shooting.

It folds legs for transporting and storage.

Designed for Manfrotto's **117B, 3193, 3185, 3182, 351MVCF, 515MVB, 525MVB, 532ART, 542ART.**





### TRIPOD SPREADER FOR SPIKED FEET 3138



1.4lb 31.5in to 51.2in

Universal tripod spreader with variable diameter width controls from 31.50in to 51.18in. It accepts spiked tip tripod. Designed for Manfrotto's **3193, 3185, 3182, 351MVCF**.



### LOW ANGLE STABILIZER 3427

Designed to increase stability only for "floor-level" working positions. Quickly fitted between the 3138 spreader and the head locking system, it gives total rigidity with minimal torque movement even on fast pans. Designed for Manfrotto's **515MVB** and **525MVB** Tripods.



### TRIPOD SPREADER 3155



1.4lb 31.5in to 51.2in

Universal tripod spreader with variable diameter width controls from 31.50in to 51.18in. Designed for Manfrotto's **3001BWN, 3221WN, 745B, 745MF3, 755B, 755MF, 756B, 756MF3**.



### MID-LEVEL SPREADER 3189

Designed to fit the mid-level leg joint casting of **3193, 3185** and **3182** and **351MVB** tripods to provide additional rigidity and structural support.



### MID-LEVEL SPREADER 531SPRB

Designed to fit the mid-level leg joint casting of the **515MVB** and **525MVB** tripods to provide additional rigidity and structural support. The spreader braces are telescopic.



### SQUID MID-LEVEL SPREADER 530SPRB

Built to fit the mid-level leg joint casting to provide additional rigidity and structural support, this innovative spreader is called the "SQUID" because of its peculiar design. Unlike most spreaders, it lets you fine tune the spreader brace angle to perfectly suit your working position. In combination with this continuous angle adjustment, you can use the quick click-stop arm length presets for rapid, precise operation. Technology used on this product is patent-pending.



## BUCKET BACKPACK 540BB

Faster to use than a traditional back pack and more convenient than having to carry your tripod in your hand or under your arm. The bucket back pack is especially useful on longer journeys or on wilder terrain, where you still need to know that you can release the tripod, set up and shoot in seconds. It's designed to hold any of our tripods with any video head attached: the head is placed in the lower "bucket" where its weight is better supported and less likely to swing off balance and hurt you, and the legs extend up your back and are firmly tied in position.

For birdwatchers, airplane enthusiasts and other users of spotting scopes, the bucket backpack will also let you transport your whole kit, with scope attached. The scope is cradled in the lower part of the back pack, and the tripod legs extend up your back.





### HAND A LONG 540HL

The hand-a-long is a padded bar that encloses a short hand-carry strap which attaches to the built-in rings at either end of the first leg section of the 542ART/532ART pro video tripods. Because it's compact and attaches to one leg section only, you don't need to take it off the tripod while shooting so it's fast and convenient in the field. And it won't get in the way of tripod positioning or filming. The grip is long enough to allow hand position to be moved to match the center of balance of the tripod/head. Can be combined with strap 540STRAP.



### SPACE PAD 540SP

Suitable for use with tripod models 542ART/532ART, the 540SP wraps quickly around the closed tripod legs, snaps securely in place and can be positioned to match the center of balance of any tripod/head combination. The space pad offers three distinct ways of carrying the tripod – hand-hold by your side (so it stops the tripod banging against your legs); fireman-carry on your shoulder (where the padding makes carrying the tripod a less awkward and painful task) or, in combination with strap 540STRAP, like a shoulder bag (protecting your legs and hips from bangs and bruises).



The special ergonomic closure of the 540SP stays locked shut however loose or tight you set it, while the curved contour avoids sharp edges and protects both pad and contents

Our special rubberized "bubble" finish guarantees a secure non-slip grip on the product



### HAND A LONG 458HL

Provides a more comfortable carrying system for MDEVE and 3001BWN/3221WN, this carrying handle can be adjusted in length to better balance the tripod during transportation.





## Tripod Bags

A tripod is a wonderful thing. Carrying one has never been. That is until now. With our new carrying systems, we've worked from the inside out to invent new contoured bag shapes that fit your kit and offer convenient ways of setting up and breaking down faster. Our bags offer you a "space pad" that lets your shoulder carry your tripod without risking bangs and bruises and an open backpack that keeps your hands free and your tripod protected with weight kept to a minimum. Whether you want a handle or a strap that doesn't even have to be removed, or whether you need a protective shell to get your kit safely through airport baggage handling, we've got the solution. With innovative technical features, prime materials and first class construction methods, the quality of all our bags and carrying solutions is up to the high standards you expect from Manfrotto.





## PADDED TRIPOD BAG 47.2in MBAG120P

The largest bag in the range, the MBAG120P is padded to protect your equipment and has the following features:

- Asymmetric tapered shape allows you to store the tripod with the head attached. Tripod legs fit comfortably in the narrower end (diameter 7.8in) and extra space is allowed for the larger volume of the head at the wider end (diameter 9in).
- Zip extends down the length of the bag, but also fully opens the top end of the bag.
- Thermoform padding holds the tripod in place in the bag and protects it, especially the head, during transport.
- Inner pocket holds accessories (such as video head pan bars)
- Innovative design and style, ballistic nylon, zips and other materials used are of top quality
- Can be hand-carried horizontally by the side handle, vertically by the end handle (also useful for storage), or shoulder-carried using the included strap.

## PADDED TRIPOD BAG 39.4in MBAG100P

Same design as the **MBAG120P** but in a different size and without the double positioning carrying handle

## PADDED TRIPOD BAG 35.4in MBAG90P

Same design as the **MBAG120P** but in a different size and without the double positioning carrying handle.

## PADDED TRIPOD BAG 31.5in MBAG80P

Basically the same as the **MBAG120P**, but smaller, and without the side handle or inner accessory pocket. The MBAG80P is also narrower than the other padded bags. The narrow end measures 5.1in diameter, the wide end measures 5.9in.

## UNPADDED TRIPOD BAG 31.5in MBAG80

The MBAG80 is an unpadded tripod bag, offering the following features:

- Slightly tapered to provide a better fit for your tripod with attached head. The wider end of the bag accommodates the head without requiring all levers to be removed.
- Zip extends down the length of the bag, but also fully opens the top end of the bag.
- Logo end cap is padded to offer protection to the tripod head, the rest of the bag is unpadded.
- Shoulder strap included (the MBAG80 doesn't have either end or side handle) .
- Innovative design and style; ballistic nylon, zips and other materials used are of top quality.

## UNPADDED TRIPOD BAG 27.6in MBAG70

Same as the **MBAG80**, but slightly smaller.

		Heads						
		3274	3433	3460	516	519	700 RC2	701 RC2
Tripods models	3221WN		MBAG80	MBAG80P				MBAG80
	3068		MBAG120P	MBAG120P	MBAG100P			MBAG100P
	3001BWN						MBAG70	MBAG70
	3193	MBAG120P			MBAG120P			MBAG100P
	3186	MBAG90P			MBAG90P			MBAG90P
	3182					MBAG120P		MBAG100P
	351MVCF			MBAG90P	MBAG120P	MBAG120P		MBAG100P
	515 MVB				MBAG100P			MBAG120P
	525 MVB		MBAG90P	MBAG90P		MBAG100P		MBAG120P
	528 XB	MBAG120P			MBAG120P			MBAG100P
	542 ART				MBAG100P	MBAG100P		MBAG120P
	532 ART				MBAG100P	MBAG100P		MBAG120P
	745 B		MBAG80P	MBAG80P				MBAG80
	745MF3		MBAG80P	MBAG80P				MBAG80P
	755 B		MBAG80P	MBAG80P				MBAG80
	755 MF3		MBAG80P	MBAG80P				MBAG80
	756 B						MBAG70	MBAG70
	756 MF3						MBAG70	MBAG70

## Tripod straps



3044



3044NAR

### LONG STRAP 3044

The 3044 strap is a basic but convenient way to carry your kit. It has a spring clip that fastens quickly to the steel ring at the shoulder of the tripod, and a closed loop that goes around the feet of the tripod and tightens to grip them securely. Features an adapter for compatibility with all Manfrotto tripods and rubberized fabric for comfort and to keep the tripod from slipping off your shoulder.

### LONG STRAP 3044NAR

Same as 3044, but made with a narrower black rubberized fabric (15.7in width instead of 19.7in).



3044TSB



3447

### SHORT STRAP 3044TSB

The 3044TSB is a simple loop strap, with a single spring clip that attaches to the quickly to the steel ring at the shoulder of your tripod. Features an adapter for compatibility with all Manfrotto tripods. Strap is made of a gray rubberized fabric for comfort and to keep the tripod from slipping off your shoulder.

### SHORT STRAP 3447

Same as 3044TSB, but made with a narrower black rubberized fabric (15.7in width instead of 19.7in).



### STRAP 540STRAP

Made to measure for the 542ART and 532ART pro video tripods, the 540STRAP attaches to the built-in rings at either end of the tripod's top leg section to keep the load evenly balanced while carrying.

The ergonomically contoured strap has a rubber "tread" for comfort and to keep the tripod from slipping off your shoulder.



### QUICK ACTION STRAP 401N

A quick and easy accessory for carrying your tripod when walking, hiking, cycling or just getting from shoot to shoot. Use the shorter straps to fasten the padded 401N to one of the legs of your tripod, bind the remaining legs together using the longer adjustable quick release straps, slide the tripod over your shoulder and you're ready to go, with your hands free to grab those vital last minute items. The padding helps hold the tripod in place and protects your back from bruises and chaffing. The 401N even stays attached to your tripod when shooting; all you need to do is release the longer quick release straps so you can maneuver and position all three legs. Now you're always ready to capture the images you want, but also always ready to move off again to the next location.



The strap stays attached to your tripod when shooting



Straps can be removed and custom-positioned to better match the size of your tripod





## 100MM HALF BALL 3141BALL

Half ball for leveling video heads on Video tripods provided with 100mm bowl.

## 75MM HALF BALL 3284

Half ball for leveling video heads on Video tripods provided with 75mm bowl.



## HI HAT 529B



Manfrotto's new Hi-Hat enables you to get shots from the lowest possible position. The 529B has adjustable leg angles to mount the camera in the tightest or lowest of locations - and thanks to the built-in spreader you can simply use the 529B on any even surface. The feet are rubber-padded to protect delicate surfaces and have a hole so that the 529B can be screwed to a ladder, apple-box or a sheet of wood. Recommended Heads: 519 (with 3426 adapter), 516 (with 500BALLSH adapter), 3460 (with 500BALLSH adapter), 3433 (with 500BALLSH adapter), 3274.



## MONITOR HOLDER 3152

Designed to hold a monitor mounted on a tripod by using a standard 5/8in stud. Straps hold monitor securely in place.

## Special additional feet

A complete line of foot conversions to adapt our tripods and monopods to all type of terrains in order to give them the maximum stability possible.



**055SPK2**  
**190SPK2**  
**190SPK2N**  
**440SPK2**  
**441SPK2**  
**449SP2**  
**676SP2**

## REVERSIBLE SPIKED FEET

Reversible rubber/metal spiked feet (set of 3) supplied with a dedicated fixing tool.

The spike is made of a special hard anodized aluminum alloy extremely resistant to corrosion.

055SPK2 for tripod: 3221WN, 745B, 745MF3, 755B

190SPK2 for tripod: old models of 3001BWN, 756B with 19mm leg diameter

190SPK2N for tripod: 3001BWN, 756B

440SPK2 for tripod: 756MF3

441SPK2 for tripod: 755MF3

449SP2 for monopod: 559B

676SP2 for monopod: 558B



**055SCK2**  
**190SCK2**  
**190SCK2N**  
**440SCK2**  
**441SC2**

## SUCTION CUP/RETRACTABLE SPIKE FEET

A rubber section cup feet (set of 3) with retractable stainless steel spike. The suction cup increases the footprint of the monopod by almost 20 times, giving much greater stability when needed. The foot can be removed and replaced at will.

055SCK2 for tripod: 3221WN, 745B, 745MF3, 755B

190SCK2 for tripod: old models of 3001BWN, 756B with 19mm leg diameter

190SCK2N for tripod: 3001BWN, 756B

440SCK2 for tripod: 756MF3

441SCK2 for tripod: 755MF3



**565**

## SPIKE FOOT SHOES

Set of 3.

For tripod: 3186, 3193, 3182, 515MVB, 351MVCF, 525MVB



**677SP**

## RUBBER/SPIKED FOOT

Rubber foot for with retractable metal spike.

For monopod: 557B



## 100MM HALF BALL SHORT 500BALLSH

The 500BALLSH comes complete with a short locking handle to mount all Manfrotto flat-base heads to the 529B Hi-Hat.

## 75MM HALF BALL SHORT 520BALLSH

The 520BALLSH comes complete with a short locking handle to mount all Manfrotto flat-base heads to any 75mm bowl tripod including the 529B Hi-Hat (with optional adapter 3426).



## VIDEO HEAD ADAPTER BOWL 3114

Adaptor kit to connect a 75 or 100 mm half bowl video head to a flat base tripod.



## SHORT HI-HAT LOCKING HANDLE 319SH

Short locking handle to mount all Manfrotto video ball heads to the 529B Hi-Hat.



## 100MM TO 75MM ADAPTER 3426

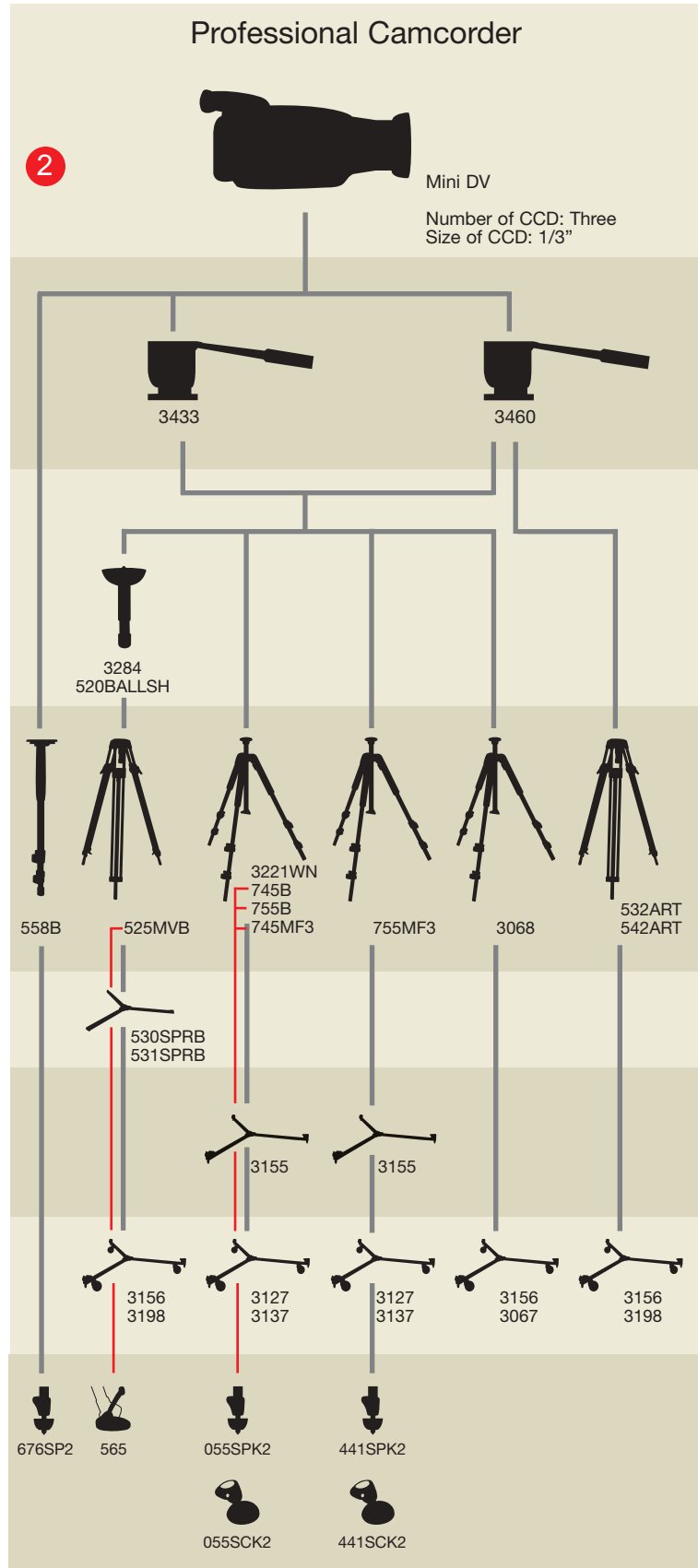
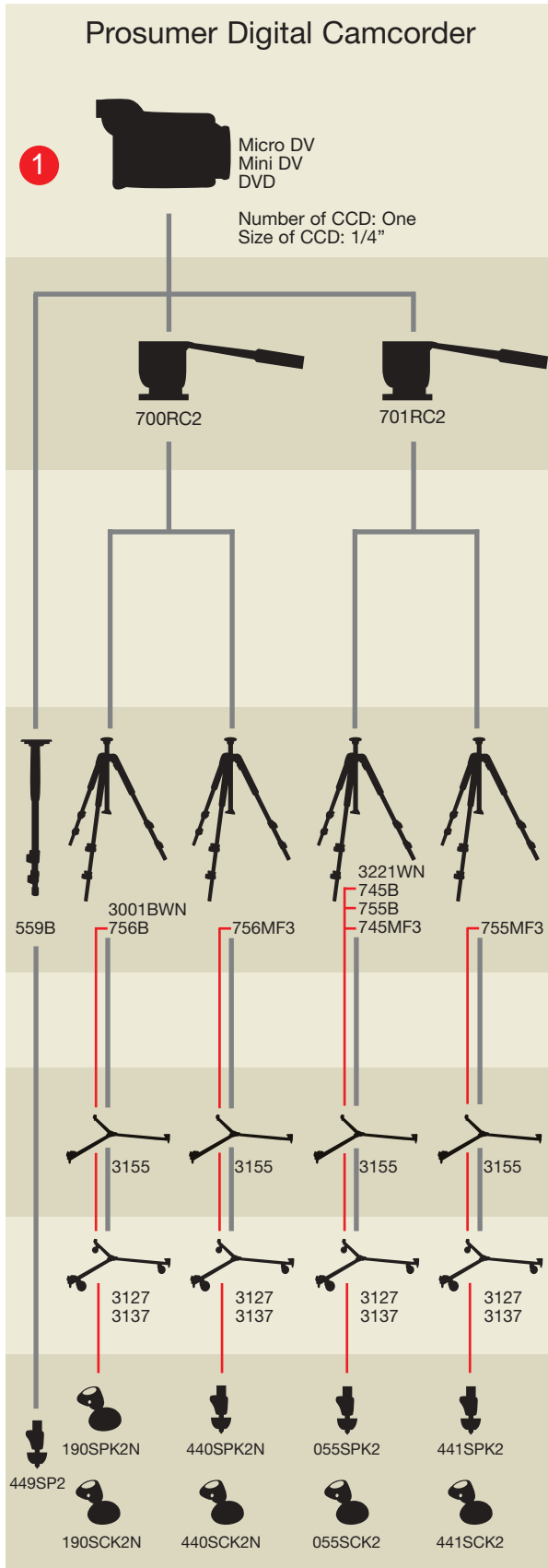
Converts all Manfrotto 100mm bowl tripods into a 75mm bowl.



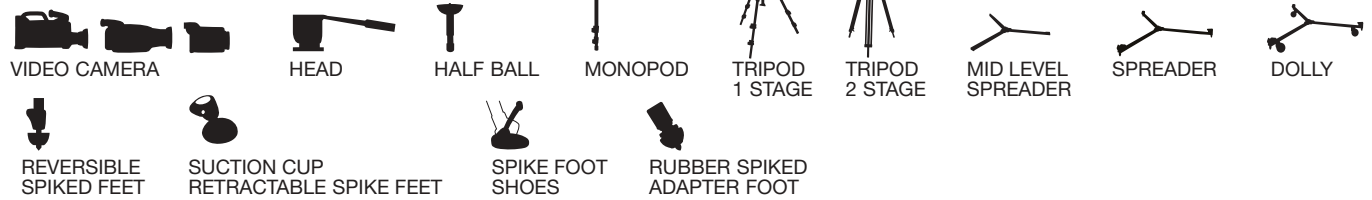


# System Guide

The chart below gives an overview of which tripods, heads and relevant accessories are compatible with the type of camera you want to support.



## Key to Symbols



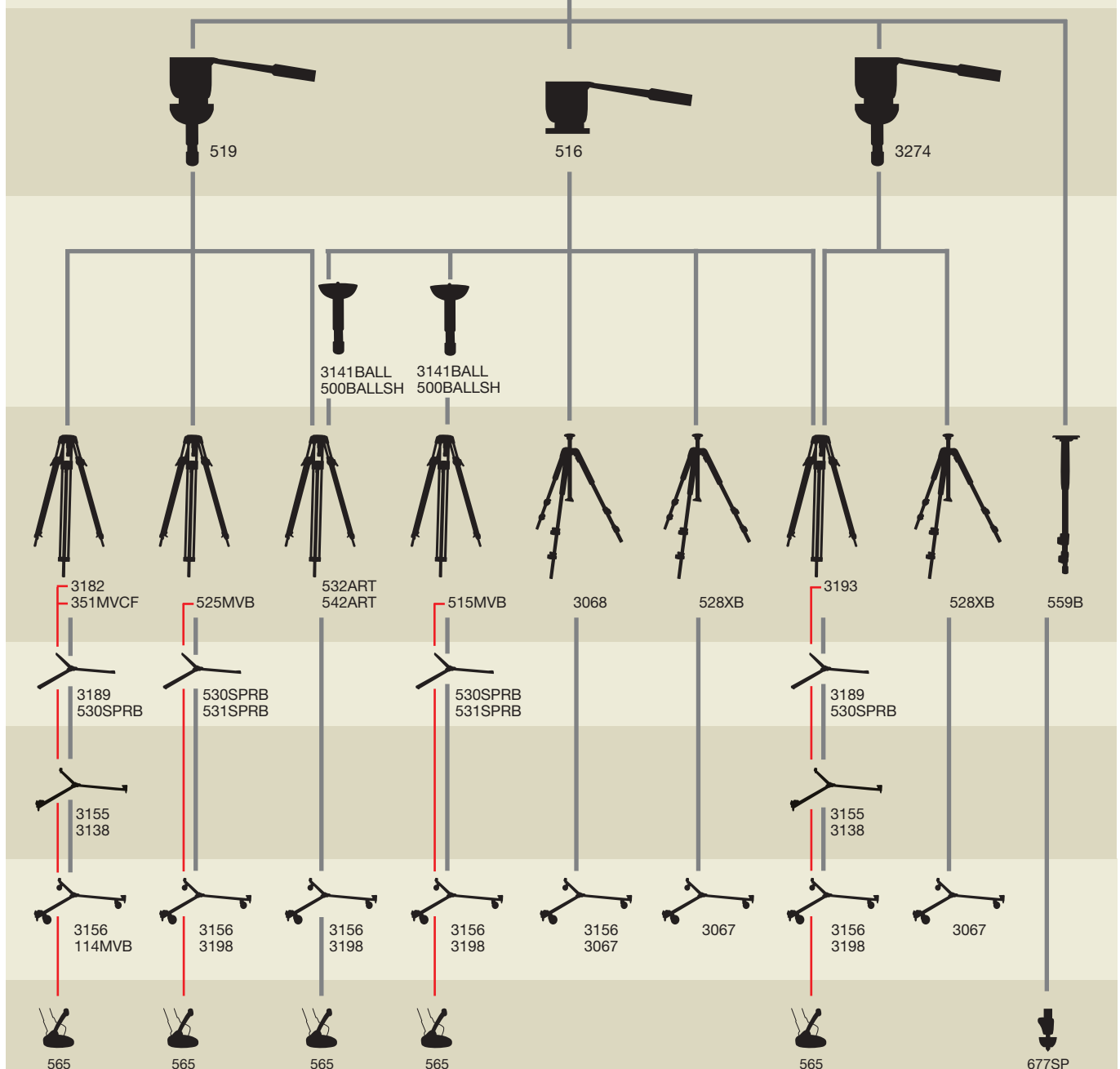
## Pro ENG Camcorder

3



DV  
DV Cam  
DVC Pro  
DIGI Beta  
Betacam SP  
Betacam SX

Number of CCD: Three  
Size of CCD: 1/2" or 2/3"



## Prosumer digital camcorder video kits (with 700RC2 head)

The perfect combination of head and tripod selected to firmly support lightweight MINI DV cameras. All kits come with a carrying bag.



**KIT 700RC2, 756BK**



60.1in 21.5in 6lb 5.5lb

Comprised of:  
**700RC2** Head  
**756B** Tripod  
**MBAG70** Bag



**KIT 700RC2, 756MF3K**



60.1in 21.5in 6lb 5.5lb

Comprised of:  
**700RC2** Head  
**756MF3** Tripod  
**MBAG70** Bag



**KIT 700RC2, 3001BWN**



62in 10.5in 6lb 5.5lb

Comprised of:  
**700RC2** Head  
**3001BWN** Tripod  
**MBAG70** Bag



## Prosumer digital camcorder video kits (with 701RC2 head)

## Video kit

The perfect combination of head and tripod selected to firmly support lightweight MINI DV cameras. All kits come with a carrying bag.



**KIT 701RC2, 755BK**



Comprised of:  
**701RC2** Head  
**755B** Tripod  
**MBAG80** Bag



**KIT 701RC2, 755MF3K**



Comprised of:  
**701RC2** Head  
**755MF3** Tripod  
**MBAG80** Bag



**KIT 701RC2, 745BK**



Comprised of:  
**701RC2** Head  
**745B** Tripod  
**MBAG80** Bag



**KIT 701RC2, 3221BWN**



Comprised of:  
**701RC2** Head  
**3221WN** Tripod  
**MBAG80** Bag



**KIT 701RC2, 745MF3K**



Comprised of:  
**701RC2** Head  
**745MF3** Tripod  
**MBAG80P** Bag



## Professional camcorder video kits (with 3433 head)

A selection of Manfrotto tripods and heads chosen specifically to meet the demand and weight issues of medium duty MINI DV professional camcorder. All kits comes supplied with a carrying bag.



**KIT 501, 755BK**



Comprised of:  
**3433** Head  
**755B** Tripod  
**MBAG80P** Bag



**KIT 501, 755MF3K**



Comprised of:  
**3433** Head  
**755MF3** Tripod  
**MBAG80P** Bag



**KIT 501, 745BK**



Comprised of:  
**3433** Head  
**745B** Tripod  
**MBAG80P** Bag



**KIT 3221WN-501**



Comprised of:  
**3433** Head  
**3221WN** Tripod  
**MBAG80** Bag



**KIT 501, 525PKIT**



Comprised of:  
**3433** Head  
**525MVB** Tripod  
**3284** Half Ball  
**MBAG90P** Bag



**KIT 501, 745MF3K**



Comprised of:  
**3433** Head  
**745MF3** Tripod  
**MBAG80P** Bag

## Professional camcorder video kits (with 3460 head)

A selection of Manfrotto tripods and heads chosen specifically to meet the demand and weight issues of medium duty MINI DV professional camcorder. All kits come with a carrying bag.



**KIT 503, 755BK**



Comprised of:  
**3460** Head  
**755B** Tripod  
**MBAG80P** Bag



**KIT 503, 755MF3K**



Comprised of:  
**3460** Head  
**755MF3** Tripod  
**MBAG80P** Bag



**KIT 503, 745BK**



Comprised of:  
**3460** Head  
**745B** Tripod  
**MBAG80P** Bag



**KIT 503, 745MF3K**



Comprised of:  
**3460** Head  
**745MF3** Tripod  
**MBAG80P** Bag



**KIT 503, 351MVCFK**



Comprised of:  
**3460** Head  
**351MVCF** Tripod  
**3189** Spreader  
**565** Feet  
**MBAG90P** Bag



**KIT 503, 525PKIT**



Comprised of:  
**3460** Head  
**525MVB** Tripod  
**3284** Half Ball  
**MBAG90P** Bag

## Pro ENG camcorder video kits (with 516 head)

A range of kits for industrial applications utilizing heavy duty ENG cameras. All kits come with a carrying bag.



### KIT 516, 542ART



64.8in 20.7in 15.4lb 22lb

Comprised of:

**516** Head  
**542ART** Tripod  
**3141BALL** Half Ball  
**MBAG100P** Bag

### KIT 516, 532ART

Same as **516, 542ART**  
but with **532ART** Tripod



### KIT 516, 515PKIT



66.3in 17.5in 13.4lb 22lb

Comprised of:

**516** Head  
**515MVB** Tripod  
**3141BALL** Half Ball  
**MBAG100P** Bag



### KIT 516-3193



64.4in 40.4in 17.2lb 22lb

Comprised of:

**516** Head  
**3193** Tripod  
**3138** Spreader  
**MBAG120P** Bag



### KIT 516, 351MVCFK



63.8in 20.6in 12.6lb 22lb

Comprised of:

**516** Head  
**351MVCF** Tripod  
**3189** Spreader  
**265** Feet  
**MBAG120P** Bag

## Pro ENG camcorder video kits (with 519 head)

A range of kits for industrial applications utilizing heavy duty ENG cameras. All kits come with a carrying bag.



### KIT 519, 542ART



Comprised of:  
519 Head  
542ART Tripod  
MBAG100P Bag

### KIT 519, 532ART

Same as 519, 542ART  
but with 532ART Tripod



### KIT 519, 525PKIT



Comprised of:  
519 Head  
525MVB Tripod  
MBAG100P Bag



### KIT 519MVBKIT



Comprised of:  
519 Head  
3182 Tripod  
3138 Spreader  
MBAG120P Bag



### KIT 519, 351MVCFK



Comprised of:  
519 Head  
351MVCF Tripod  
350SPRB Spreader  
265 Feet  
MBAG120P Bag



## Pro ENG camcorder video kits (with 3274 head)

A range of kits for industrial applications utilizing heavy duty ENG cameras. All kits come with a carrying bag.



**KIT 3193-316**



64.6in



40.6in



22.8lb



34.2lb

Comprised of:  
**3274** Head  
**3193** Tripod  
**3138** Spreader  
**MBAG120P** Bag



**KIT 316, 528XBK**



63.4in



33.9in



28.3lb



35.3lb

Comprised of:  
**3274** Head  
**528XB** Tripod  
**MBAG120P** Bag

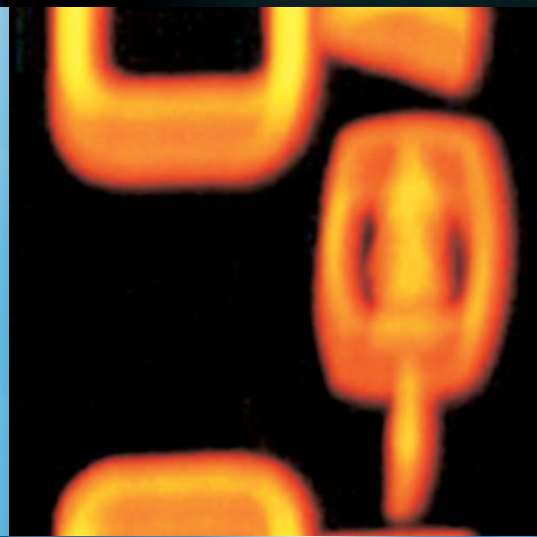


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# Manfrotto



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